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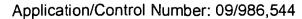
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,544	11/09/2001	Petter Karlsson	040080-164	5848
7:	590 04/06/2004		EXAM	INER
Ronald L. Grudziecki			WINDMULLER, JOHN	
BURNS, DOA	NE, SWECKER & MA	THIS, L.L.P.		
P.O. Box 1404			ART UNIT	PAPER NUMBÉR
Alexandria, V	A 22313-1404		3724	9
			DATE MAILED: 04/06/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/986,544	KARLSSON ET AL.	
Office Action Summary	Examiner	Art Unit	
	John Windmuller	3724	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ti y within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fron , cause the application to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C.§ 133).	
Status			
1) Responsive to communication(s) filed on 12/16	<u>6/03</u> .		
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.		
3) Since this application is in condition for allowar			
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	.53 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o			
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct	epted or b) objected to by the drawing(s) be held in abeyance. Setion is required if the drawing(s) is old	ee 37 CFR 1.85(a). Djected to. See 37 CFR 1.121(d).	
11) The oath or declaration is objected to by the Ex	caminer. Note the attached Office	e Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign  a) All b) Some * c) None of:  1. Certified copies of the priority document:  2. Certified copies of the priority document:  3. Copies of the certified copies of the priority application from the International Bureau  * See the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No red in this National Stage	
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:		

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## **DETAILED ACTION**

# Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 3, 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hakoun et al. in view of Frederick Jr. and Taitler. Hakoun et al. disclose the invention substantially as claimed including a motor (Fig. 1, 12, 13; col. 3, lines 54, 55, 64-66). But Hakoun et al. do not disclose a detector that is a microphone to detect the completion of the cut to effect the stop of the workpiece cutting movement. However, Frederick Jr. teaches a detector that is a microphone to detect details of the cutting and adjust the velocity of the workpiece cutting movement (col. 2, lines 53-59; col. 3, lines 6-7; col. 3, lines 26-31; col. 5, lines 46-52). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the device of Hakoun et al. with a detector that is a microphone to detect details of the cutting and adjust the velocity of the workpiece cutting movement as taught by Frederick Jr. for better automated cutting.

Furthermore, Taitler teaches a detector to detect the completion of the cut to effect the stop of the workpiece cutting movement (col. 7, lines 49-57). It would have been obvious to one of ordinary skill in the art at the time the invention was made to



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provide the device of Hakoun et al. with a detector to detect the completion of the cut to effect the stop of the workpiece cutting movement as taught by Taitler for better automated cutting.

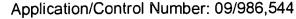
3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hakoun et al. in view of Frederick Jr. and Taitler as applied to claims 1, 3, 4 above, and further in view of Bando '801. The modified device of Hakoun et al. discloses the invention as claimed except a linear motor. However, Bando '801 teaches a linear motor (abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the modified device of Hakoun et al. with a linear motor as taught by Bando '801 for improved motion control.

## Response to Arguments

4. Applicant's arguments, see the Request for Reconsideration filed 12/16/03, with respect to the rejection(s) of claim(s) 1-4 under 35 USC 103(a) have been fully considered. The rejection has been withdrawn because the Examiner agrees with Applicant's assertion on page 2, third paragraph, that Frederick does not disclose stopping the cutting movement based on the microphone detector. However, upon further consideration, a new ground(s) of rejection is made in view of Taitler, which discloses stopping the workpiece cutting movement upon detection of completion of the cut.

Regarding Applicant's arguments on page 3, second and third paragraphs, claim

1 states "the motor being controlled by a control unit to start a cutting movement in



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response to a start signal to be generated when the fiber is located in the fiber cutter."

Since the claim does not specify how the start signal is to be generated, the claim reads on any well known starting procedure, such as the operator flipping a switch.

#### Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yoshikuni et al. (claim 1d, indenting of glass stops when cutting is completed).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Windmuller whose telephone number is 703 305-4988. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan Shoap can be reached on 703 308-1082. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Allan N. Shoap Supervisory Patent Examiner Group 3700